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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 DEC 05 CASREACT(R) - Over 10 million reactions available  
NEWS 4 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE  
NEWS 5 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER  
NEWS 6 DEC 14 CA/CAPLUS to be enhanced with updated IPC codes  
NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAPLUS with the  
IPC reform  
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC  
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
NEWS 13 JAN 30 Saved answer limit increased  
NEWS 14 JAN 31 Monthly current-awareness alert (SDI) frequency  
added to TULSA

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT  
<http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:42:11 ON 09 FEB 2006

10800022.trn

=&gt; file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:42:20 ON 09 FEB 2006

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STRUCTURE FILE UPDATES: 7 FEB 2006 HIGHEST RN 873775-18-9

DICTIONARY FILE UPDATES: 7 FEB 2006 HIGHEST RN 873775-18-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
```

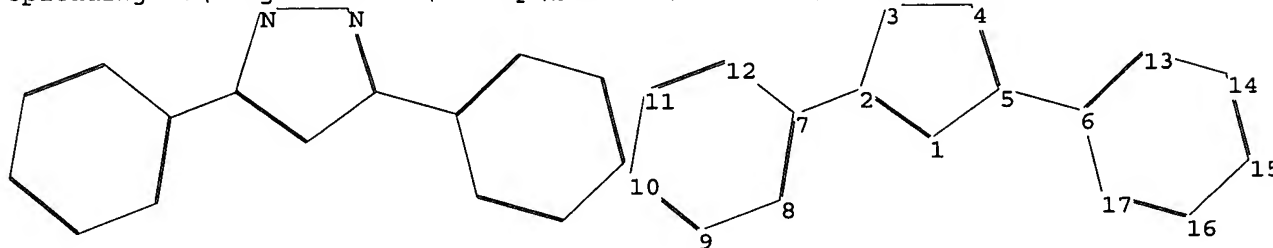
Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=&gt;

Uploading C:\Program Files\Stnexp\Queries\10800022\Struc 1.str



ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-7 5-6

ring bonds :

10800022.trn

Page 3

1-2 1-5 2-3 3-4 4-5 6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14  
14-15 15-16 16-17

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5

exact bonds :

2-7 5-6

normalized bonds :

6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14 14-15 15-16 16-17

Match level :

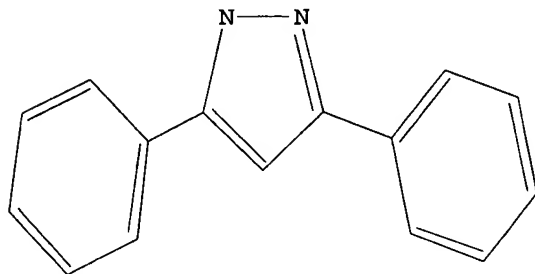
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> l1

SAMPLE SEARCH INITIATED 14:42:43 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6344 TO ITERATE

31.5% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

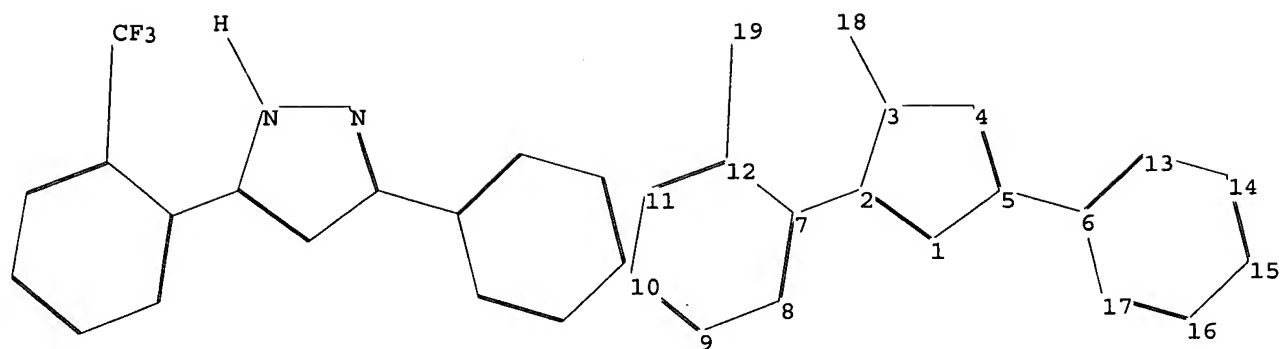
PROJECTED ITERATIONS: 122105 TO 131655  
PROJECTED ANSWERS: 11296 TO 14332

L2 50 SEA SSS SAM L1

=>

Uploading C:\Program Files\Stnexp\Queries\10800022\Struc 2.str

10800022.trn



chain nodes :

18 19

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-7 3-18 5-6 12-19

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14  
14-15 15-16 16-17

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5

exact bonds :

2-7 3-18 5-6 12-19

normalized bonds :

6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14 14-15 15-16 16-17

Match level :

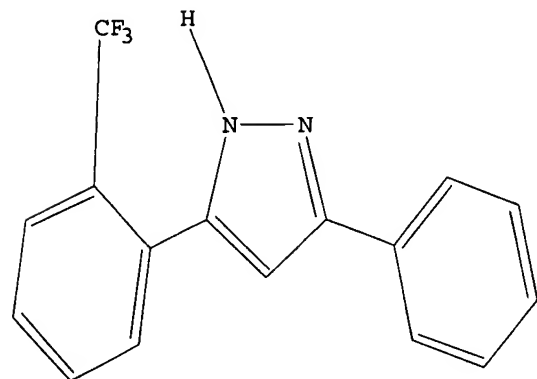
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

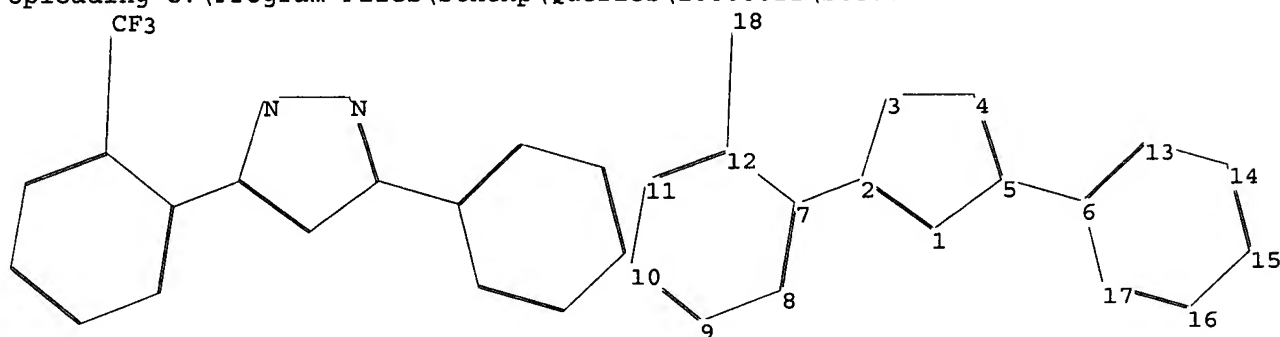
=> l3  
 SAMPLE SEARCH INITIATED 14:44:15 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 200 TO ITERATE

100.0% PROCESSED 200 ITERATIONS 0 ANSWERS  
 SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 3152 TO 4848  
 PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=>  
 Uploading C:\Program Files\Stnexp\Queries\10800022\Struc 3.str



chain nodes :  
 18  
 ring nodes :  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17  
 chain bonds :  
 2-7 5-6 12-18  
 ring bonds :  
 1-2 1-5 2-3 3-4 4-5 6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14  
 14-15 15-16 16-17  
 exact/norm bonds :  
 1-2 1-5 2-3 3-4 4-5  
 exact bonds :  
 2-7 5-6 12-18  
 normalized bonds :  
 6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14 14-15 15-16 16-17

Match level :  
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS

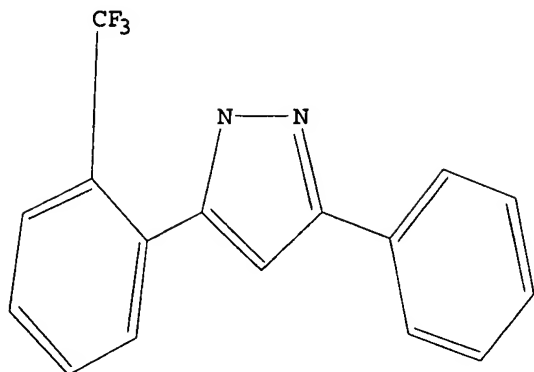
L5 STRUCTURE UPLOADED

10800022.trn

=> d

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> 15

SAMPLE SEARCH INITIATED 14:45:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 200 TO ITERATE

100.0% PROCESSED 200 ITERATIONS

19 ANSWERS

SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 3152 TO 4848

PROJECTED ANSWERS: 119 TO 641

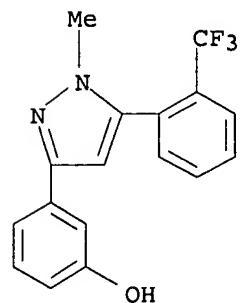
L6 19 SEA SSS SAM L5

=> d scan

L6 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Phenol, 3-[1-methyl-5-[2-(trifluoromethyl)phenyl]-1H-pyrazol-3-yl]- (9CI)

MF C17 H13 F3 N2 O



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> 15 full

FULL SEARCH INITIATED 14:45:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4056 TO ITERATE

100.0% PROCESSED 4056 ITERATIONS

322 ANSWERS

SEARCH TIME: 00.00.04

L7 322 SEA SSS FUL L5

=> file medline caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

169.14

169.35

FILE 'MEDLINE' ENTERED AT 14:45:43 ON 09 FEB 2006

FILE 'CAPLUS' ENTERED AT 14:45:43 ON 09 FEB 2006

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=> 17

L8 1 L7

=> d ibib abs

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:780671 CAPLUS

DOCUMENT NUMBER: 141:296010

TITLE: Preparation of substituted pyrazoles as modulators of ATP-binding cassette transporters

INVENTOR(S): Vangoor, Frederick F.; Hadida Ruah, Sarah S.; Singh, Ashvani K.; Olson, Eric R.; Makings, Lewis R.; Gonzalez, Jesus E., III; Rader, James A.; Chambers, Fred, III; Miller, Mark T.; Grootenhuis, Peter; Liu, Yahua

PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA

SOURCE: PCT Int. Appl., 174 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004080972	A1	20040923	WO 2004-US7492	20040312
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,			

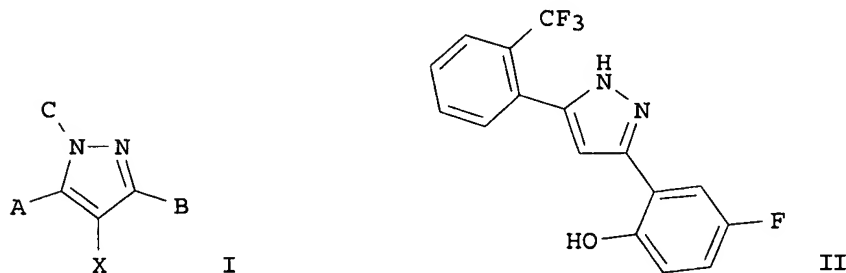
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
TD, TG

US 2005113423 A1 20050526 US 2004-800022 20040312  
EP 1601657 A1 20051207 EP 2004-720345 20040312

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK

PRIORITY APPLN. INFO.: US 2003-453978P P 20030312  
WO 2004-US7492 W 20040312

OTHER SOURCE(S): MARPAT 141:296010  
GI



AB Pyrazoles I [A, B = (un)substituted aryl, heterocyclyl, cycloalkyl; C = H, (un)substituted aryl, heterocyclyl, heteroaryl, cycloalkyl, alkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, heterocyclylcarbonyl, or aminocarbonyl; X = H, (un)substituted alkyl, aryl, heterocyclyl, heteroaryl, or  $\omega$ -substituted n-alkyl] such as II are prepared as inhibitors of ATP-binding cassette (ABC) transporters such as the cystic fibrosis transmembrane conductance regulator (CFTR) for use in the treatment of conditions such as cystic fibrosis, immunodeficiency, inflammatory disease, chronic obstructive pulmonary disease, chronic pancreatitis, or pneumonia. 4-Trifluoromethylbenzoyl chloride and 2-hydroxy-5-fluoroacetophenone are stirred in pyridine for 12 h, after which potassium hydroxide is added and the mixture stirred for 12 h; addition of hydrazine hydrate to a solution of the product obtained in the first step in ethanol and heating at reflux for 3 h yields II in 30% overall yield as a yellow crystalline solid. II modulates  $\Delta F508$ -CFTR at  $\geq 75\%$  of the effect of genistein on the same receptor. Data on the relative modulation of  $\Delta F508$ -CFTR by some compds. of the invention as compared to genistein is provided.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
10.03	179.38

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.75	-0.75

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FILE 'REGISTRY' ENTERED AT 14:46:09 ON 09 FEB 2006

10800022.trn



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STRUCTURE FILE UPDATES: 7 FEB 2006 HIGHEST RN 873775-18-9  
DICTIONARY FILE UPDATES: 7 FEB 2006 HIGHEST RN 873775-18-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
```

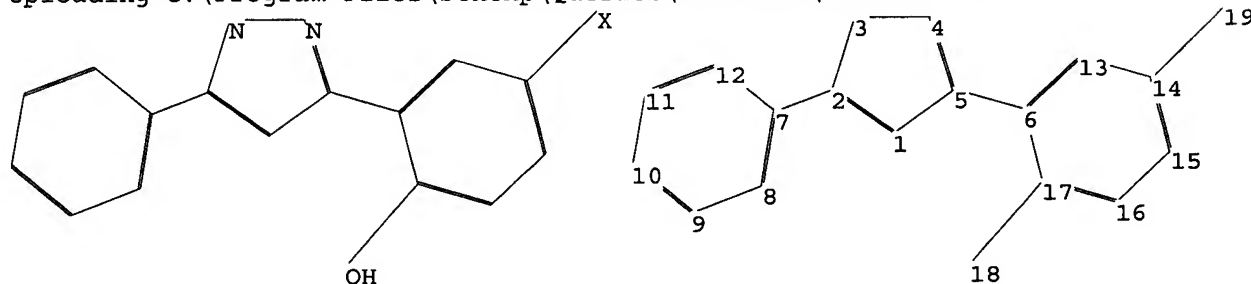
Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10800022\Struc 4.str



chain nodes :

18 19

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-7 5-6 14-19 17-18

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14  
14-15 15-16 16-17

10800022.trn

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 17-18

exact bonds :

2-7 5-6 14-19

normalized bonds :

6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14 14-15 15-16 16-17

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

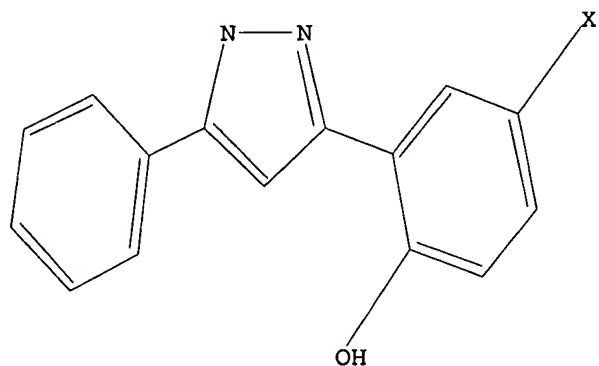
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS

L9 STRUCTURE UPLOADED

=> d

L9 HAS NO ANSWERS

L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> 19

SAMPLE SEARCH INITIATED 14:49:26 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1140 TO ITERATE

100.0% PROCESSED 1140 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

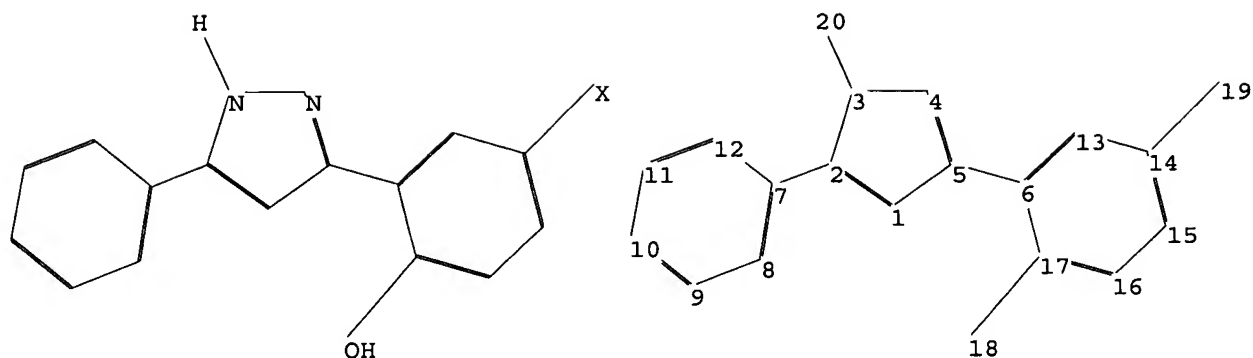
PROJECTED ITERATIONS: 20775 TO 24825

PROJECTED ANSWERS: 1214 TO 2346

L10 50 SEA SSS SAM L9

=>

Uploading C:\Program Files\Stnexp\Queries\10800022\Struc 5.str



chain nodes :

18 19 20

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

2-7 3-20 5-6 14-19 17-18

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14

14-15 15-16 16-17

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 17-18

exact bonds :

2-7 3-20 5-6 14-19

normalized bonds :

6-13 6-17 7-8 7-12 8-9 9-10 10-11 11-12 13-14 14-15 15-16 16-17

Match level :

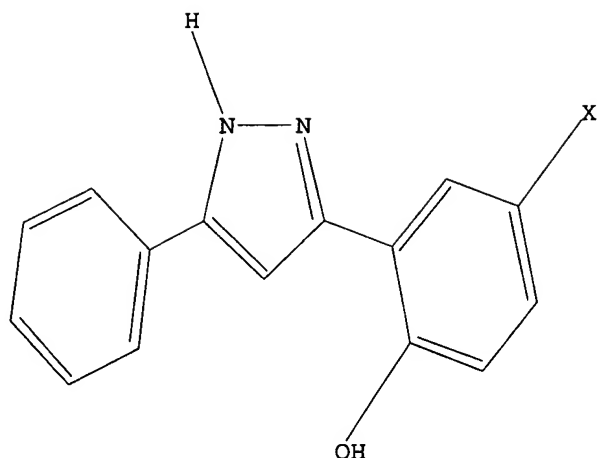
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS  
20:CLASS

L11 STRUCTURE UPLOADED

=> d

L11 HAS NO ANSWERS

L11 STR



Structure attributes must be viewed using STN Express query preparation.

=> l11

SAMPLE SEARCH INITIATED 14:50:25 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 1140 TO ITERATE

100.0% PROCESSED 1140 ITERATIONS  
 SEARCH TIME: 00.00.01

3 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 20775 TO 24825  
 PROJECTED ANSWERS: 3 TO 163

L12 3 SEA SSS SAM L11

=> l11 full

FULL SEARCH INITIATED 14:50:30 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 22881 TO ITERATE

100.0% PROCESSED 22881 ITERATIONS  
 SEARCH TIME: 00.00.01

43 ANSWERS

L13 43 SEA SSS FUL L11

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE  
 ENTRY

TOTAL  
 SESSION

FULL ESTIMATED COST

169.58

348.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
 ENTRY

TOTAL  
 SESSION

CA SUBSCRIBER PRICE

0.00

-0.75

FILE 'CAPLUS' ENTERED AT 14:50:35 ON 09 FEB 2006  
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FILE COVERS 1907 - 9 Feb 2006 VOL 144 ISS 7  
FILE LAST UPDATED: 8 Feb 2006 (20060208/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> file medline caplus  
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.46	349.42

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
0.00	-0.75

CA SUBSCRIBER PRICE

FILE 'MEDLINE' ENTERED AT 14:50:40 ON 09 FEB 2006

FILE 'CAPLUS' ENTERED AT 14:50:40 ON 09 FEB 2006  
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=> l13

L14 11 L13

=> dup rem l14

PROCESSING COMPLETED FOR L14

L15 11 DUP REM L14 (0 DUPLICATES REMOVED)

=> d ibib abs hitstr 1-11

L15 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:780671 CAPLUS

DOCUMENT NUMBER: 141:296010

TITLE: Preparation of substituted pyrazoles as modulators of ATP-binding cassette transporters

INVENTOR(S): Vangoor, Frederick F.; Hadida Ruah, Sarah S.; Singh, Ashvani K.; Olson, Eric R.; Makings, Lewis R.; Gonzalez, Jesus E., III; Rader, James A.; Chambers, Fred, III; Miller, Mark T.; Grootenhuis, Peter; Liu, Yahua

PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA

SOURCE: PCT Int. Appl., 174 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

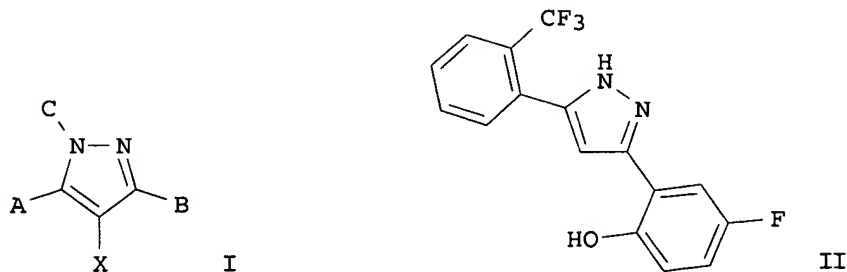
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

10800022.trn

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004080972	A1	20040923	WO 2004-US7492	20040312
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2005113423	A1	20050526	US 2004-800022	20040312
EP 1601657	A1	20051207	EP 2004-720345	20040312
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
PRIORITY APPLN. INFO.:			US 2003-453978P	P 20030312
			WO 2004-US7492	W 20040312
OTHER SOURCE(S):	MARPAT 141:296010			
GI				



AB Pyrazoles I [A, B = (un)substituted aryl, heterocyclyl, cycloalkyl; C = H, (un)substituted aryl, heterocyclyl, heteroaryl, cycloalkyl, alkyl, alkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, heterocyclylcarbonyl, or aminocarbonyl; X = H, (un)substituted alkyl, aryl, heterocyclyl, heteroaryl, or  $\omega$ -substituted n-alkyl] such as II are prepared as inhibitors of ATP-binding cassette (ABC) transporters such as the cystic fibrosis transmembrane conductance regulator (CFTR) for use in the treatment of conditions such as cystic fibrosis, immunodeficiency, inflammatory disease, chronic obstructive pulmonary disease, chronic pancreatitis, or pneumonia. 4-Trifluoromethylbenzoyl chloride and 2-hydroxy-5-fluoroacetophenone are stirred in pyridine for 12 h, after which potassium hydroxide is added and the mixture stirred for 12 h; addition of hydrazine hydrate to a solution of the product obtained in the first step in ethanol and heating at reflux for 3 h yields II in 30% overall yield as a yellow crystalline solid. II modulates  $\Delta F508$ -CFTR at  $\geq 75\%$  of the effect of genistein on the same receptor. Data on the relative modulation of  $\Delta F508$ -CFTR by some compds. of the invention as compared to genistein is provided.

IT 148077-89-8P 148077-90-1P 296888-40-9P

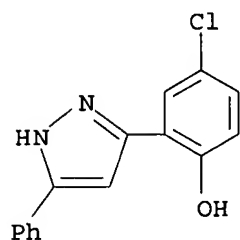
312518-98-2P 321534-47-8P 423752-83-4P  
 763132-68-9P 763132-76-9P 763132-77-0P  
 763133-02-4P 763133-77-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of substituted pyrazoles as modulators of ATP-binding cassette  
 transporters such as the cystic fibrosis transmembrane conductance  
 regulator for treatment of diseases such as cystic fibrosis,  
 immunodeficiency, and pneumonia)

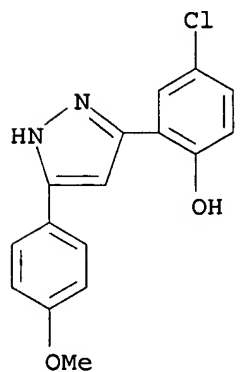
RN 148077-89-8 CAPLUS

CN Phenol, 4-chloro-2-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



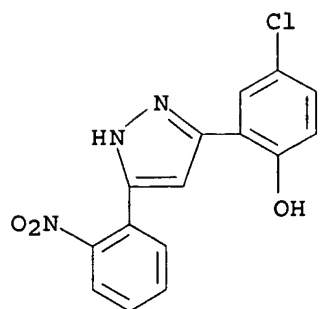
RN 148077-90-1 CAPLUS

CN Phenol, 4-chloro-2-[5-(4-methoxyphenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)

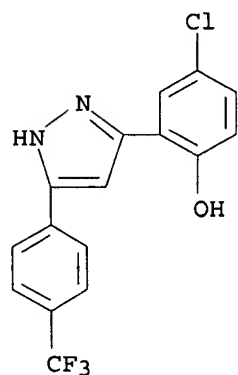


RN 296888-40-9 CAPLUS

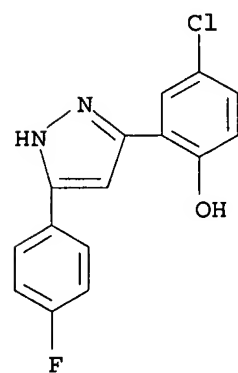
CN Phenol, 4-chloro-2-[5-(2-nitrophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



RN 312518-98-2 CAPLUS  
 CN Phenol, 4-chloro-2-[5-[4-(trifluoromethyl)phenyl]-1H-pyrazol-3-yl]- (9CI)  
 (CA INDEX NAME)

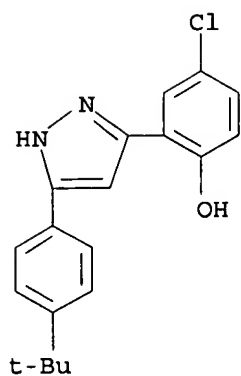


RN 321534-47-8 CAPLUS  
 CN Phenol, 4-chloro-2-[5-(4-fluorophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX  
 NAME)

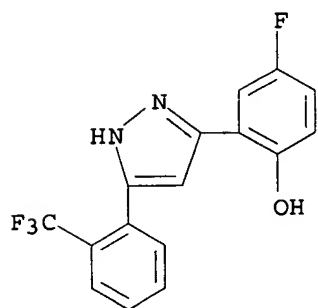


RN 423752-83-4 CAPLUS  
 CN Phenol, 4-chloro-2-[5-[4-(1,1-dimethylethyl)phenyl]-1H-pyrazol-3-yl]-  
 (9CI) (CA INDEX NAME)

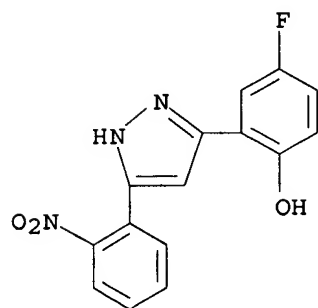




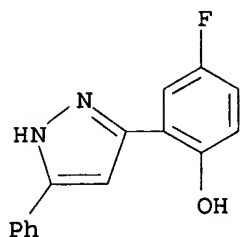
RN 763132-68-9 CAPLUS  
 CN Phenol, 4-fluoro-2-[5-[2-(trifluoromethyl)phenyl]-1H-pyrazol-3-yl]- (9CI)  
 (CA INDEX NAME)



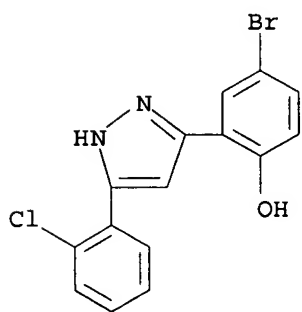
RN 763132-76-9 CAPLUS  
 CN Phenol, 4-fluoro-2-[5-(2-nitrophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX  
 NAME)



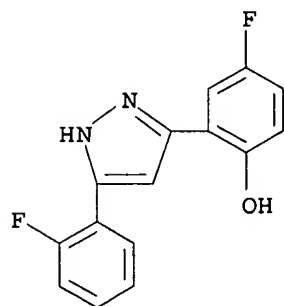
RN 763132-77-0 CAPLUS  
 CN Phenol, 4-fluoro-2-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



RN 763133-02-4 CAPLUS  
 CN Phenol, 4-bromo-2-[5-(2-chlorophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



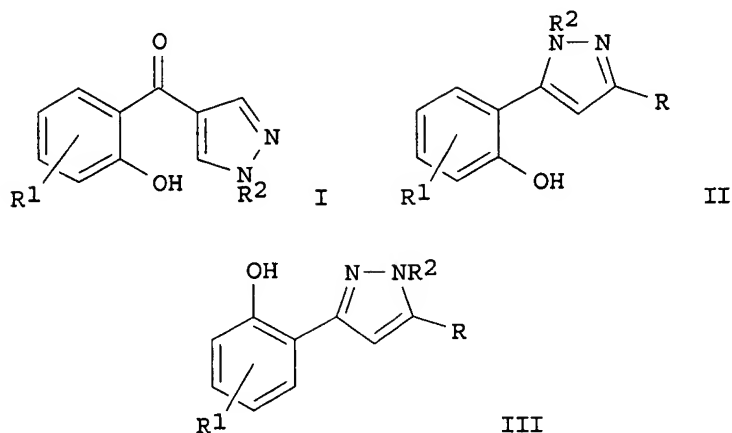
RN 763133-77-3 CAPLUS  
 CN Phenol, 4-fluoro-2-[5-(2-fluorophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2004:347011 CAPLUS  
 DOCUMENT NUMBER: 141:332110  
 TITLE: Design and synthesis of two pyrazole libraries based on o-hydroxyacetophenones  
 AUTHOR(S): Borrell, Jose I.; Schuler, Elisabeth; Teixido, Jordi; Michelotti, Enrique L.  
 CORPORATE SOURCE: Institut Quimic de Sarria, Grup d'Enginyeria Molecular, Universitat Ramon Llull, Barcelona,

SOURCE: E-08017, Spain  
 Molecular Diversity (2004), 8(2), 147-157  
 CODEN: MODIF4; ISSN: 1381-1991  
 PUBLISHER: Kluwer Academic Publishers  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



AB Two new solid-phase syntheses of substituted pyrazoles are described. The first includes supporting an o-hydroxyacetophenone on Merrifield resin, Vilsmeier-Haack formylation on the Me group and cyclization with a substituted hydrazine to afford a pyrazole ring with two diversity centers, e.g. I [R1 = H, 4-F, 3,4-(MeO)2, etc., R2 = Ph, n-Pr, 2-benzothiazolyl, etc.]. The second starts from o-hydroxyacetophenone supported on Wang resin, which undergoes a Claisen condensation with a carboxylic acid ester to yield a 1,3-dicarbonyl compound that cyclizes to a pyrazole using a hydrazine, II and III (R = H, Me, Ph). Both methods have been used to synthesize two small pyrazole libraries.

IT 771483-26-2P 771483-38-6P 771483-49-9P  
 771483-53-5P

RL: CPN (Combinatorial preparation); CMBI (Combinatorial study); PREP  
 (Preparation)  
 (design and solid-phase syntheses of pyrazole libraries using  
 o-hydroxyacetophenones, their fungicidal, insecticidal, and herbicidal  
 activities)

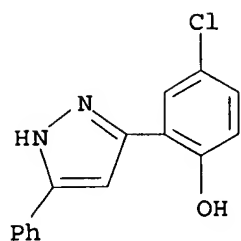
RN 771483-26-2 CAPLUS

CN Phenol, 4-chloro-2-(5-phenyl-1H-pyrazol-3-yl)-, mono(trifluoroacetate)  
 (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 148077-89-8

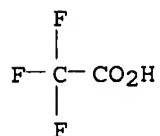
CMF C15 H11 Cl N2 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



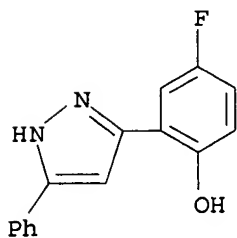
RN 771483-38-6 CAPLUS

CN Phenol, 4-fluoro-2-(5-phenyl-1H-pyrazol-3-yl)-, mono(trifluoroacetate)  
(salt) (9CI) (CA INDEX NAME)

CM 1

CRN 763132-77-0

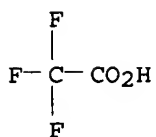
CMF C15 H11 F N2 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2

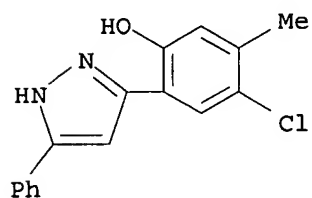


RN 771483-49-9 CAPLUS  
 CN Phenol, 4-chloro-5-methyl-2-(5-phenyl-1H-pyrazol-3-yl)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 487002-64-2

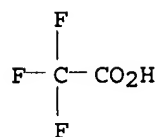
CMF C16 H13 Cl N2 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2

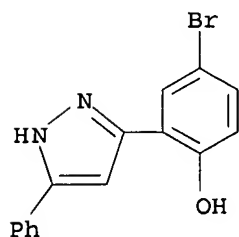


RN 771483-53-5 CAPLUS  
 CN Phenol, 4-bromo-2-(5-phenyl-1H-pyrazol-3-yl)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 121911-72-6

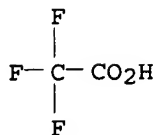
CMF C15 H11 Br N2 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:175150 CAPLUS

DOCUMENT NUMBER: 134:326294

TITLE: Synthetic analogs of naturally occurring flavolignans. XI. Reaction of synthetic flavone analogs with hydrazine hydrate and its derivatives

AUTHOR(S): Khilya, V. P.; Aitmambetov, A.; Kubzheterova, A.

CORPORATE SOURCE: Taras Shevchenko Kiev University, Ukraine

SOURCE: Chemistry of Natural Compounds (Translation of Khimiya Prirodnikh Soedinenii) (2000), 36(1), 51-53  
CODEN: CHNCA8; ISSN: 0009-3130

PUBLISHER: Consultants Bureau

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 134:326294

AB Reactions of 1,3-benzodioxane and 1,4-benzodioxane analogs of flavones with hydrazine derivs. are studied. The hydrazines recyclize the new flavones into 3,5-diarylpyrazoles. Their PMR spectra confirm their structures.

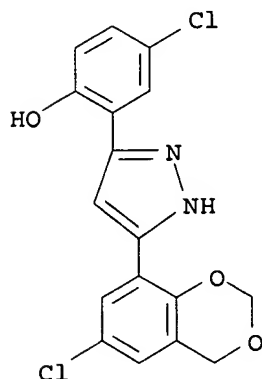
IT 336612-27-2P 336612-33-0P 336612-34-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of diarylpyrazoles via reaction of synthetic flavone analogs with hydrazine hydrate)

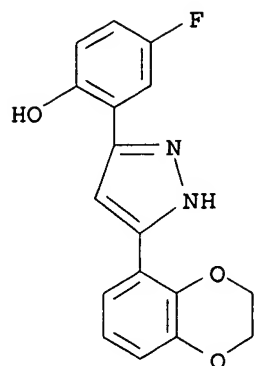
RN 336612-27-2 CAPLUS

CN Phenol, 4-chloro-2-[5-(6-chloro-4H-1,3-benzodioxin-8-yl)-1H-pyrazol-3-yl]-  
(9CI) (CA INDEX NAME)

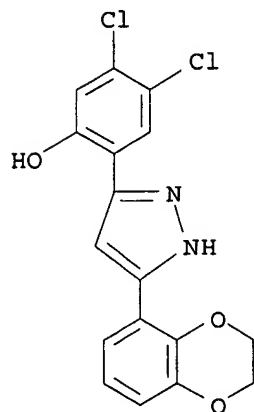


RN 336612-33-0 CAPLUS

CN Phenol, 2-[5-(2,3-dihydro-1,4-benzodioxin-5-yl)-1H-pyrazol-3-yl]-4-fluoro-  
(9CI) (CA INDEX NAME)



RN 336612-34-1 CAPLUS  
 CN Phenol, 4,5-dichloro-2-[5-(2,3-dihydro-1,4-benzodioxin-5-yl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1999:290178 CAPLUS  
 DOCUMENT NUMBER: 131:31901  
 TITLE: Synthesis of some new 4-iodoisoxazoles and -pyrazoles and their antimicrobial activity  
 AUTHOR(S): Heda, P. B.; Ghiya, B. J.  
 CORPORATE SOURCE: Chemistry Department, Institute of Science, Nagpur, 440 001, India  
 SOURCE: Asian Journal of Chemistry (1999), 11(2), 384-387  
 CODEN: AJCHEW; ISSN: 0970-7077  
 PUBLISHER: Asian Journal of Chemistry  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB 1,3-Diaryl-1,3-propanediones were iodinated by iodine monochloride in dioxane to give 1,3-diaryl-2-iodo-1,3-propanediones, which were condensed with hydroxylamine hydrochloride, hydrazine hydrate, and phenylhydrazine in ethanol to give 4-iodo-3,5-diarylisoxazoles, 4-iodo-3,5-diarylpurazoles, and 4-iodo-1,3,5-triarylpurazoles, resp. The structures of the products were confirmed by elemental anal., chemical properties, and

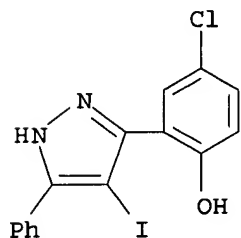
IR, NMR, and mass spectral data. The antibacterial activity of some of the products was also studied.

IT 226877-80-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 226877-80-1 CAPLUS

CN Phenol, 4-chloro-2-(4-iodo-5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:92422 CAPLUS

DOCUMENT NUMBER: 132:265141

TITLE: Synthesis and reactions of 1,5-disubstituted-1,3-propanediones

AUTHOR(S): Damle, Subhash V.; Muley, Prakash R.

CORPORATE SOURCE: Department of Chemistry, The Institute of Science, Mumbai, 400 032, Russia

SOURCE: Indian Journal of Heterocyclic Chemistry (1999), 9(2), 81-86

CODEN: IJCHEI; ISSN: 0971-1627

PUBLISHER: Prof. R. S. Varma

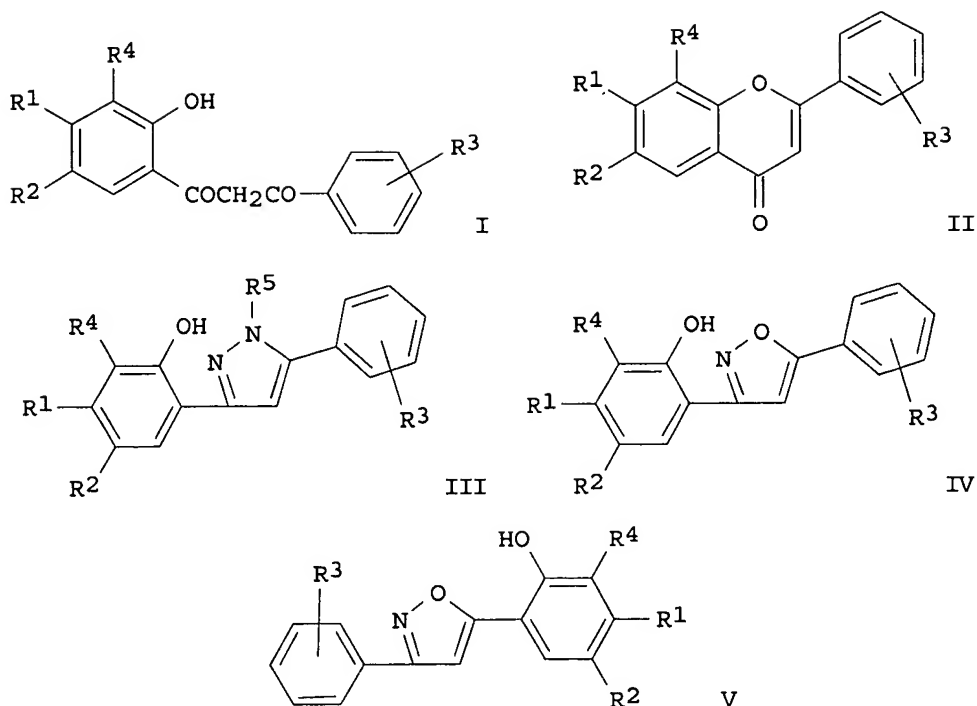
DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 132:265141

GI





AB The title compds. I ( $R_1 = H, Me$ ;  $R_2 = Cl, Me$ ;  $R_3 = 2-, 3-, 4-NO_2$ ;  $R_4 = H, Cl, Me$ ) have been synthesized by the base catalyzed Baker-Venkataraman transformation of esters of substituted 2-hydroxyacetophenones. Propanediones I on acid catalyzed cyclization afforded 2-(nitro-substituted phenyl)-4H-1-benzopyran-4-ones II ( $R_1 = H, Me$ ;  $R_2 = Cl, Me$ ;  $R_3 = 2-, 3-, 4-NO_2$ ;  $R_4 = H, Cl, Me$ ). Condensation of I with hydrazine hydrate or phenylhydrazine afforded 3-(2-hydroxyphenyl)-5-(nitro-substituted phenyl)pyrazoles III ( $R_1 = H$ ;  $R_2 = Cl, Me$ ;  $R_3 = 2-, 3-, 4-NO_2$ ;  $R_4 = H, Cl, Me$ ;  $R_5 = H, Ph$ ). Condensation of these propanediones with  $NH_2OH \cdot HCl$  in pyridine gave 3-(2-hydroxyphenyl)-5-(nitro-substituted phenyl)isoxazoles IV ( $R_1 = H$ ;  $R_2 = Cl, Me$ ;  $R_3 = 2-, 3-, 4-NO_2$ ;  $R_4 = H, Cl, Me$ ), while in alc. the isomeric 3-(nitro-substituted phenyl)-5-(2-hydroxyphenyl)isoxazoles V were obtained.

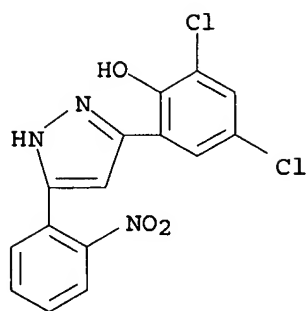
IT 263364-40-5P 263364-41-6P 263364-42-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

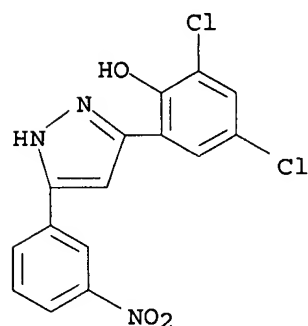
(preparation of 1,5-disubstituted-1,3-propanediones from 2-hydroxyacetophenones and reactions to form benzopyranones, pyrazoles, and isoxazoles)

RN 263364-40-5 CAPLUS

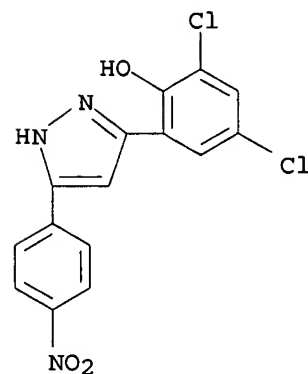
CN Phenol, 2,4-dichloro-6-[5-(2-nitrophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



RN 263364-41-6 CAPLUS  
 CN Phenol, 2,4-dichloro-6-[5-(3-nitrophenyl)-1H-pyrazol-3-yl]- (9CI) (CA  
 INDEX NAME)



RN 263364-42-7 CAPLUS  
 CN Phenol, 2,4-dichloro-6-[5-(4-nitrophenyl)-1H-pyrazol-3-yl]- (9CI) (CA  
 INDEX NAME)

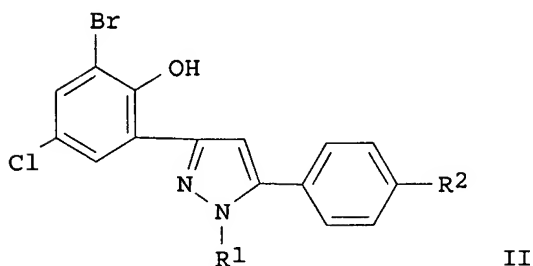
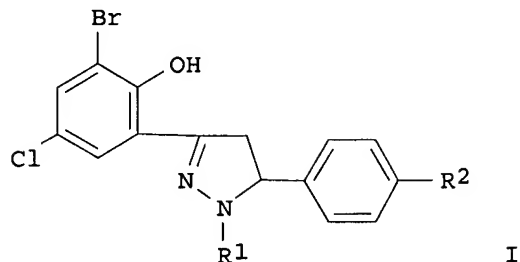


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

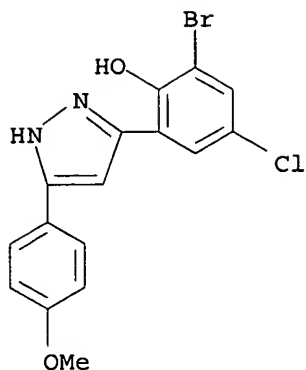
L15 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1998:754850 CAPLUS  
 DOCUMENT NUMBER: 130:81452  
 TITLE: Dehydrogenation of pyrazoline and its derivative using

10800022.trn

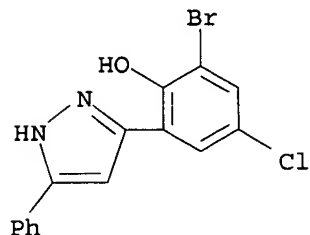
AUTHOR(S): Raut, A. W.; Doshi, A. G.  
 CORPORATE SOURCE: Department of Chemistry, Shri Shivaji College,  
 Amravati, 444 602, India  
 SOURCE: Oriental Journal of Chemistry (1998), 14(2), 349-350  
 CODEN: OJCHEG; ISSN: 0970-020X  
 PUBLISHER: Oriental Scientific Publishing Co.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



AB Pyrazolines I (R<sub>1</sub> = H, Ac, Bz; R<sub>2</sub> = H, MeO) were suspended in DMSO and a crystal of iodine added to it. The mixture was refluxed for 1 h, cooled, diluted with water, the solid obtained was filtered, washed with 20% aqueous sodium thiosulfate and crystallized from ethanol to give 75-82% pyrazoles II. The same reaction was carried out in DMSO-I<sub>2</sub>-H<sub>2</sub>SO<sub>4</sub> system to give 72-78% pyrazoles II.  
 IT 218620-54-3P 218620-57-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (dehydrogenation of pyrazolines using DMSO-I<sub>2</sub>-H<sub>2</sub>SO<sub>4</sub> and DMSO-I<sub>2</sub>-system)  
 RN 218620-54-3 CAPLUS  
 CN Phenol, 2-bromo-4-chloro-6-[5-(4-methoxyphenyl)-1H-pyrazol-3-yl]- (9CI)  
 (CA INDEX NAME)

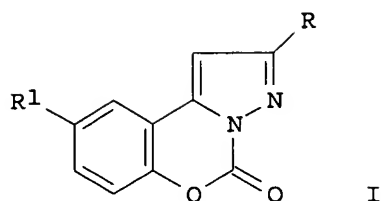


RN 218620-57-6 CAPLUS  
 CN Phenol, 2-bromo-4-chloro-6-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:116095 CAPLUS  
 DOCUMENT NUMBER: 126:171535  
 TITLE: Structure-activity relationship studies of novel pyrazolo(1,5-c)[1,3]benzoxazines. Synthesis and benzodiazepine receptor affinity  
 AUTHOR(S): Varano, Flavia; Catarzi, Daniela; Colotta, Vittoria; Cecchi, Lucia; Filacchioni, Guido; Galli, Alessandro; Costagli, Chiara  
 CORPORATE SOURCE: Dipartimento Scienze Farmaceutiche, Universita Firenze, Florence, I-50121, Italy  
 SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1996), 329(12), 529-534  
 CODEN: ARPMAS; ISSN: 0365-6233  
 PUBLISHER: VCH  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



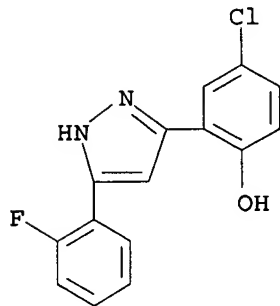
AB Some pyrazolobenzoxazinones I (R = 2-FC<sub>6</sub>H<sub>4</sub>, 4-ClC<sub>6</sub>H<sub>4</sub>, 2-thienyl, CO<sub>2</sub>Et, CO<sub>2</sub>CHMe<sub>2</sub>, CO<sub>2</sub>Me; R<sub>1</sub> = H, Cl) were prepared and were evaluated for their binding at benzodiazepine receptor (BZR) in rat cortical membranes. Structure-activity relationship studies suggest that, although proton donor d and proton acceptor a<sub>1</sub> are both optional pharmacophoric descriptors, at least one of them must be present for good BZR affinity. When the proton donor d is not present, the heteroatom acceptor a<sub>1</sub> is necessary either in the tricyclic core or in the appended substituent at the C(2) to obtain sub-micromolar BZR affinity.

IT 187173-72-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation, benzodiazepine receptor affinity, and structure-activity relationship of pyrazolobenzoxazines)

RN 187173-72-4 CAPLUS

CN Phenol, 4-chloro-2-[5-(2-fluorophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



L15 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1993:408806 CAPLUS

DOCUMENT NUMBER: 119:8806

TITLE: Preparation and biological activity of  
3(5)-(hydroxyaryl)pyrazoles

INVENTOR(S): Kaestner, Gerd; Runge, Hans Joachim; Luecke, Lothar;  
Loose, Sylva; Schewe, Christiane; Schewe, Tankred

PATENT ASSIGNEE(S): Chemische und Pharmazeutische Fabriken Fahlberg-List  
G.m.b.H., Germany

SOURCE: Ger. Offen., 9 pp.

CODEN: GWXXBX

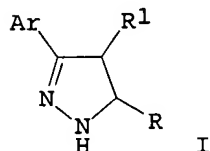
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 4126543	A1	19930211	DE 1991-4126543	19910810
PRIORITY APPLN. INFO.:			DE 1991-4126543	19910810
OTHER SOURCE(S):	MARPAT 119:8806			
GI				

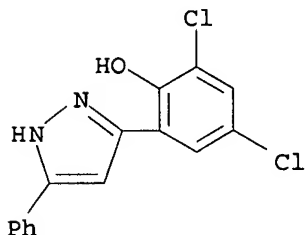


AB The preparation of title compds. I (Ar = substituted 2-hydroxyphenyl; R = substituted alkyl, Ph, naphthyl; R1 = H, alkyl, cycloalkyl) as lipooxygenase and cyclooxygenase inhibitors and as well as antiasthmatic bronchodilators, inflammation inhibitors, allergy inhibitors, and skin disease treatment is claimed.

IT 121911-74-8P 148077-89-8P 148077-90-1P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and biol. activity of)

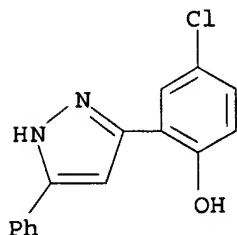
RN 121911-74-8 CAPLUS

CN Phenol, 2,4-dichloro-6-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



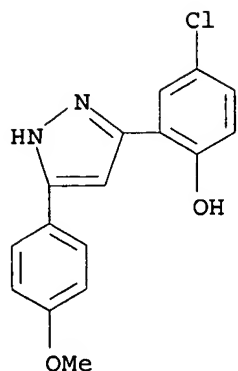
RN 148077-89-8 CAPLUS

CN Phenol, 4-chloro-2-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)

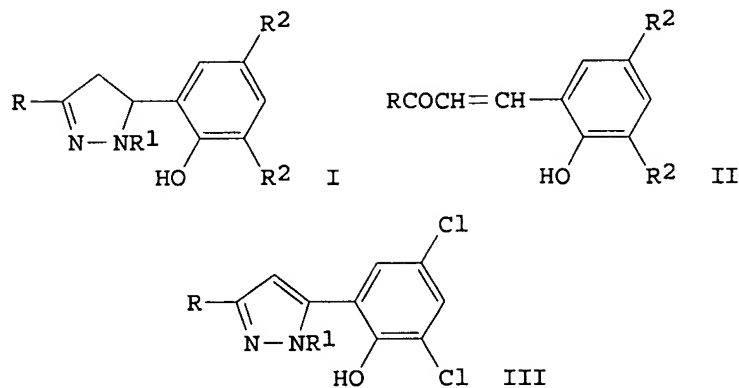


RN 148077-90-1 CAPLUS

CN Phenol, 4-chloro-2-[5-(4-methoxyphenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)

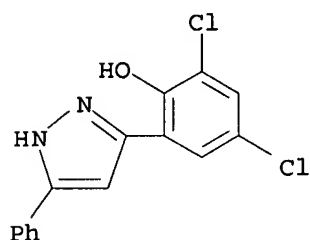


L15 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1991:61994 CAPLUS  
 DOCUMENT NUMBER: 114:61994  
 TITLE: Synthesis of new hydroxyarylpyrazolines and chlorohydroxyarylpyrazoles of potential biological activity  
 AUTHOR(S): Osman, S. A. M.; Hammad, M.; Swellem, R. H.; El-Bayouki, K. A. M.  
 CORPORATE SOURCE: Natl. Res. Cent., Cairo, Egypt  
 SOURCE: Egyptian Journal of Chemistry (1989), Volume Date 1987, 30(6), 481-90  
 CODEN: EGJCA3; ISSN: 0367-0422  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 114:61994  
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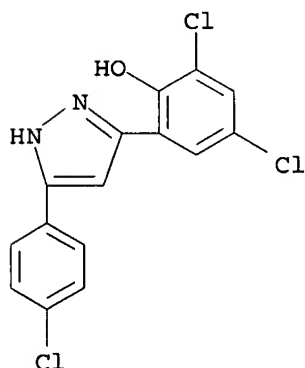


AB Title pyrazolines I (R = Ph, 4-ClC<sub>6</sub>H<sub>4</sub>, 2-thienyl; R<sub>1</sub>=H, R<sub>2</sub> = H, Cl) were prepared by the reaction of chalcones II with N<sub>2</sub>H<sub>4</sub>. Various derivs. of I (R<sub>1</sub> = Ac, CONHPh) were also prepared by reacting I (R<sub>1</sub> = H) with Ac<sub>2</sub>O and PhNCO resp. On refluxing in MeOH I (R = Ph, 4-ClC<sub>6</sub>H<sub>4</sub>; R<sub>1</sub> = H, R<sub>2</sub> = Cl) were oxidized to title pyrazoles III. Antimicrobial activity of I (R = Ph, 2-thienyl; R<sub>1</sub> = H, Ac, CONHPh, CHO; R<sub>2</sub> = H, Cl) and III (R = Ph, R<sub>1</sub> = H, R<sub>2</sub> = Cl) against various micro-organisms was tested. Most showed

general activity in concns. of 25-100 µg/mL.  
 IT 121911-74-8P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and bactericidal and fungicidal activity of)  
 RN 121911-74-8 CAPLUS  
 CN Phenol, 2,4-dichloro-6-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)

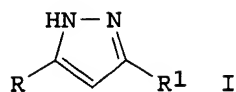


IT 131557-38-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 131557-38-5 CAPLUS  
 CN Phenol, 2,4-dichloro-6-[5-(4-chlorophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



L15 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1989:477903 CAPLUS  
 DOCUMENT NUMBER: 111:77903  
 TITLE: Synthesis of some new 3,5-disubstituted-pyrazoles  
 AUTHOR(S): Ingle, V. N.  
 CORPORATE SOURCE: Dep. Chem., Nagpur Univ., Nagpur, 440 010, India  
 SOURCE: Journal of the Indian Chemical Society (1988), 65(12), 852  
 CODEN: JICSAH; ISSN: 0019-4522  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 111:77903  
 GI





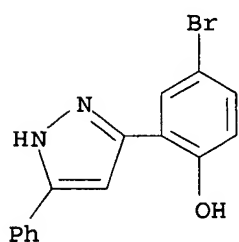
AB Cyclization of  $\text{RCOCH}_2\text{COR}_1$  ( $\text{R} = \text{Ph}$ ,  $p\text{-anisyl}$ ,  $p\text{-O}_2\text{NC}_6\text{H}_4$ ;  $\text{R}_1 = 2,3\text{-}$ ,  $2,4\text{-}$ ,  $2,5\text{-HO(Me)C}_6\text{H}_3$ ,  $2,5\text{-HO(Br)C}_6\text{H}_3$ ,  $2,3,4\text{-HO(Me)C}_6\text{H}_2$ ,  $2,3,5\text{-HO(Cl)C}_6\text{H}_2$ ,  $o\text{-HOC}_6\text{H}_4$ ) with  $\text{H}_2\text{NNH}_2$  gave 50-76% of 8 pyrazoles I.

IT 121911-72-6P 121911-74-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

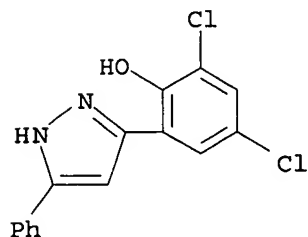
RN 121911-72-6 CAPLUS

CN Phenol, 4-bromo-2-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



RN 121911-74-8 CAPLUS

CN Phenol, 2,4-dichloro-6-(5-phenyl-1H-pyrazol-3-yl)- (9CI) (CA INDEX NAME)



L15 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1985:95573 CAPLUS

DOCUMENT NUMBER: 102:95573

TITLE: Synthesis and antifungal activity of some  
1-substituted 3-(2-hydroxyphenyl)-5-(4-  
nitrophenyl)pyrazoles

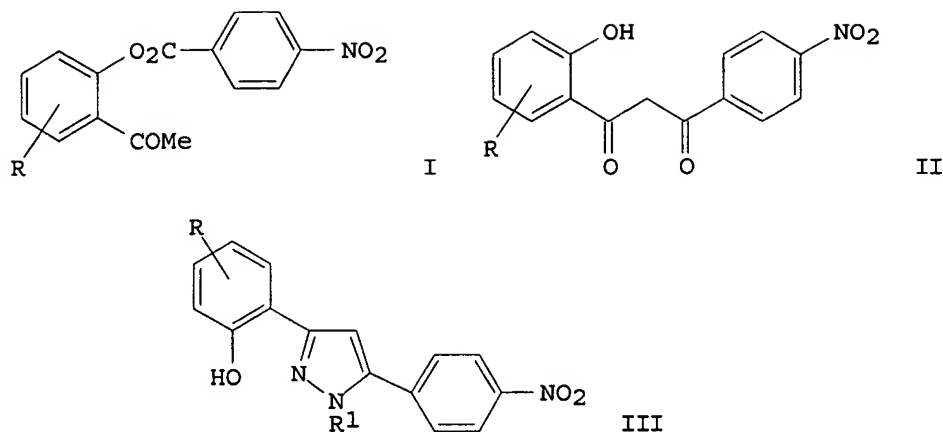
AUTHOR(S): Giri, S.; Afshan, N., Mrs.; Nizamuddin  
CORPORATE SOURCE: Chem. Dep., Univ. Gorakhpur, Gorakhpur, India  
SOURCE: Bokin Bobai (1984), 12(9), 437-40

CODEN: BOBODP; ISSN: 0385-5201

DOCUMENT TYPE: Journal

LANGUAGE: English

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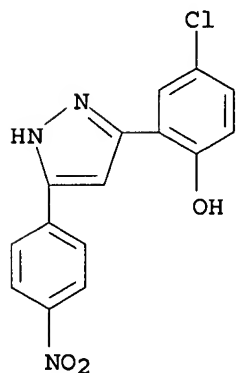


AB RC6H3(OH)COMe-2,1 (R = 3-Me, 4-Me, 5-Cl, H) were treated with p-O2NC6H4CO2H and the resulting I underwent Baker-Venakataramam rearrangement to give the diketones II, which underwent cyclization with R1NHNH2 (R1 = H, Ph, 2,4-(O2N)2C6H3) to give the title compds. III. At 100 ppm III (R = 3-Me, R1 = H) inhibited *Aspergillus niger* by 60.9%.

IT 94951-49-2P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and fungicidal activity of)

RN 94951-49-2 CAPLUS

CN Phenol, 4-chloro-2-[5-(4-nitrophenyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



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 L2 50 L1  
 L3 STRUCTURE UPLOADED  
 L4 0 L3  
 L5 STRUCTURE UPLOADED

10800022.trn

L6 19 L5  
L7 322 L5 FULL

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L12 3 L11  
L13 43 L11 FULL

FILE 'CAPLUS' ENTERED AT 14:50:35 ON 09 FEB 2006

FILE 'MEDLINE, CAPLUS' ENTERED AT 14:50:40 ON 09 FEB 2006  
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L15 11 DUP REM L14 (0 DUPLICATES REMOVED)

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COST IN U.S. DOLLARS

SINCE FILE  
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TOTAL  
SESSION

FULL ESTIMATED COST

57.92

407.34

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
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TOTAL  
SESSION

CA SUBSCRIBER PRICE

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-9.00

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